ACTION PLAN
OF KVK NANA-KANDHASAR (2008-09)

1. On Campus training

Subject	Title of Training	Dura Days	Probable date	No. of parti.	Type of Parti.
I. Quarter : (1st October to 31st December, 2008)					
Crop Production	- Improved cultivation practices for wheat & cumin	1	10/11/08	25	F
Plant Protection	- Plant protection measures for pest and disease in cumin	1	20/11/08	25	F
Horticulture	- Improved cultivation practices for vegetable including onion and garlic	1	12/11/08	25	F
Agril. Engg.	- Govt. subsidy in drips, sprinklers and agricultural implements.	1	05/11/08	25	F
Animal Science	- Low cost technology for higher milk production - Care & management of Animals during winter	1 1	11/11/08 12/12/08	25 25	F F
Home Science	- Preparation of milk products	1	30/12/08	25	FW
II. Quarter : (1st January to 31st March, 2009)					
Crop Production	- Organic residue & farm waste management	1	20/02/09	25	F
Plant Protection	- Importance of IPM	1	10/03/09	25	F
Home Science	- Mixed pickle preparation from seasonal vegetables - Preparation technology of locally available vegetables and fruits	1 1	10/01/09 18/03/09	25 25	FW FW
Agril. Engg.	- Efficient use of harvested water	1	20/01/09	25	RY
Animal Science	- Selection of pure breed of animals for economical milk production - Importance of colostrums in calves	1 1	09/01/09 19/02/09	25 25	FW FW
III. Quarter : (1st April to 30th June, 2009)					
Crop Production	- Selection of Bt cotton varieties - Production technology of cotton and groundnut	1 1	11/05/09 21/05/09	25 25	F F
Plant Protection	- IPM in Cotton	1	11/05/09	25	F

Home Sci	- Training on bag making & candle making	1	22/04/09	25	FW
Animal Science	- Increase nutritive value of low quality roughages for milch animals	1	10/04/09	25	F
	- Care and management of Buffalo during summer	1	01/05/09	25	F
Agril. Engg.	- In-situ moisture conservation practices in dry Farming.	1	05/04/08	25	F
IV. Quarter : (1st July to 30th September, 2009)					
Plant Protection	- IPM in Castor	1	17/08/09	25	F
Crop Production	- Castor production technology	1	15/07/09	25	F
Agril. Engg.	- Rain water management technology	1	05/07/09	25	F
Home science	- Nutrition Education	1	14/08/09	25	FW
Ani. Science	- Importance and Use of green fodder in milk production	1	21/07/09	25	F

2. Off Campus training

Subject	Title of Training	Dura Days	Probable date	No. of parti.	Type of Parti.
I. Quarter : (1st October to 31st December, 2008)					
Crop Production	- Integrated weed management in major *rabi* field crops	1	12/11/08	25	F
	- Efficient water management in major *rabi* field crops	1	17/11/08	25	F
Plant Protection	- Plant protection measures in Castor & Mustard crops	1	10/11/08	25	F
	- Control measures for pest and disease in Cumin and Wheat	1	12/12/08	25	F
Horticulture	- Importance of floriculture	1	20/11/08	25	F
Animal Science	- Care and Management of Milch animals	1	07/11/08	25	F
	- Foot & Mouth disease and its control	1	18/11/08	25	F
Home science	- Importance of green leafy vegetables in diet and preparing recipes from vegetables	1	08/11/08	25	FW
	- Value addition in groundnut	1	19/11/08	25	FW
Agril. Engg.	- Trouble shooting of micro irrigation system	1	15/11/08	25	F

II. Quarter : (1st January to 31st March, 2009)					
Crop Production	- Production technology of summer groundnut	1	05/01/09	25	F
	- Preparation of enriched Compost	1	17/03/09	25	F
Pl. Protection	- Selection of chemical pesticides	1	11/01/09	25	F
	- Precautions while handling pesticides	1	10/02/09	25	F
Horticulture	- Production technology of major arid fruit crops	1	21/01/09	25	F
Animal Science	- Importance of Artificial Insemination in animals	1	20/01/09	25	F
	- Care and management of calves	1	26/02/09	25	F
Home Science	- Value addition in Anola.	1	19/02/09	25	FW
	- Tomato preservation	1	21/03/09	25	FW
	- Squash making form fruits	1	25/03/09	25	FW
Agril. Engg.	- Introduction to new developed farm implements and their use	1	05/01/09	25	F
	- Selection and maintenance of pump sets	1	26/02/09	25	F
Agriculture Extension	- Awareness about extension activity of KVK	1	14/2/09	25	RY
	- Formation of Kishan clubs	1	20/3/09	25	F
III. Quarter : (1st April to 30th June, 2009)					
Crop Production	- Economic use of fertilizers in major Kharif field crops	1	01/06/09	25	F
	- Pure seeds production technique in sesame and groundnut	1	10/06/09	25	F
Pl. Protection	- Management of pest and disease of Sesamum	1	10/06/09	25	F
	- IPM in Groundnut	1	15/07/09	25	F
Animal Science	- Use of mineral mixture for balance feeding	1	02/04/09	25	F
	- Urea treatment in wheat straw	1	22/04/09	25	F
Agril. Engg	- Introduction of effective & improved agricultural equipments	1	26/06/09	25	F
Home Science	- Fancy patch work, hand work stitches and knitting work	2	24-25/4/09	25	RG
	- Preparation and preservation of mango	1	21/05/09	25	FW
	- Nutrition management in mother & child	1	08/06/09	25	FW
Agriculture Extension	- Government subsidy schemes in agriculture	1	15/5/09	25	F

IV. Quarter : (1st July to 30th September, 2009)					
Crop Production	- Importance of Thinning, Gap filling & maintenance of Plant population in major Kharif crops	1	02/07/09	25	F
	- Production technology of Mustard & Gram	1	25/09/09	25	F
Pl. Protection	- IPM in Vegetables	1	12/07/09	25	F
	- Control measures for pest and disease of *Kharif* Pulses	1	20/08/09	25	F
Agril. Engg.	- Farm implements and their use	1	08/07/09	25	F
	- Selection & maintenance of pump sets	1	08/08/09	25	F
	- Introduction and use of Chaff-Cutter.	1	10/09/09	25	F
Animal Science	- Health care of livestock during monsoon	1	03/07/09	25	F
	- Preventive measure and first Aid treatment of IMP disease in dairy animals	1	20/08/09	25	F
Home science	- Supplementary nutrition for child and pregnant mother	1	30/07/09	25	FW
	- Layout of kitchen garden	1	05/08/09	25	FW

3. Vocational Training

	Discipline	Title of Training	Dura. Days	Expected date	No. of parti	Type of Parti.
1.	Crop Production	Technique for vermi-composting	2	05-06/05/09	25	RY
2.	Home science	Preservation of vegetables & fruits	3	10-12/03/09	20	RG
		Embroidery & Sieving	2	13-14/04/09	20	RG
		Preparation of milk product - "Mava".	2	12-13/05/09	20	FW
3	Animal science	Rearing of poultry for egg and Meat	2	14-15/04/09	25	RY
		Dairy farming	2	12-13/05/09	25	PF
4	Plant protection	Repair & maintenance of sprayer, power sprayer & duster	2	07-08/04/09	25	RY

4. In service Training

	Title of Training	Dura. Days	No. of parti.	Type of parti.
1.	Cotton production technology	2	25	EW
2.	Pre-seasonal training on *Kharif* crops	2	25	EW
3.	Pre-seasonal training on *Rabi* crops	2	25	EW
4.	Importance of nutrition for children for Anganwadi worker	1	15	Anganwadi worker

5. Training Programme: Quarter wise Summary

Sr. No.	Subject	On Campus					Off Campus					G.T.
		I	II	III	IV	**T**	I	II	III	IV	**T**	
1.	Crop Production	1	1	2	1	**5**	2	2	2	2	**8**	**13**
2.	Horticulture	1	-	-	-	**1**	1	1	-	-	**2**	**03**
3.	Pl. Protection	1	1	1	1	**4**	2	2	2	2	**8**	**12**
4.	Home science	1	2	1	1	**5**	2	3	3	2	**10**	**15**
5.	Agril. Engineering	1	1	1	1	**4**	1	2	1	3	**7**	**11**
6.	Animal Science	2	2	2	1	**7**	2	2	2	2	**8**	**15**
7.	Agril. Extension	-	-	-	-	**-**	-	2	1	-	**3**	**03**
	Total	**7**	**7**	**7**	**5**	**26**	**10**	**14**	**11**	**11**	**46**	**72**

T = Total, G.T.=Grand Total, * I, II, III, IV = Quarter F=Farmers, FW=Farm women, RY=Rural Youth

6. Summary of Training Programme

Sr. No.	Subject	On campus	Off campus	Total
1.	Crop Production	5	8	13
2.	Horticulture	1	2	03
3.	Plant protection	4	8	12
4.	Home science	5	10	15
5.	Agril. Engineering	4	7	11
6.	Animal Science	7	8	15
7.	Agricultural Extension	-	3	03
	Total (A)	**26**	**46**	**72**
8.	- Vocational training	7	-	7
9.	- In service training	4	-	4
10.	- Sponsored / in-service	2	-	2
	Total (B)	**13**	**-**	**13**
	TOTAL (A+B)	**39**	**46**	**85**

7. Method Demonstration

Sr No.	Name of demo unit
1	Urea treatment in wheat straw
2	Enrich Compost on cotton stalks
3	Vermi composting

8. Physical Targets of FLD's to be conducted during 2008-09

Particulars of the FLD	Season	Crop	Area (in ha)	No. of Demo.
Oilseeds	*Kharif*	Groundnut	05.0	10
		Sesame	05.0	10
	Rabi	Mustard	05.0	10
Pulses	*Kharif*	Moong	05.0	10
		Moth bean	05.0	10
	Rabi	Gram	05.0	10
Other Crops	*Kharif*	Cotton	05.0	10
	Rabi	Cumin	05.0	10
		Wheat	10.0	10
Other FLD				
1. Trichoderma culture	-	-	02.0	04
2. Composting	-	-	-	10
3. Cotton Mini-mission	-	-	30.0	75
4. Animal Diet	-	-	-	09
TOTAL FLD			**82.0**	**188**

9. Physical Targets of OFT's

1. Application of *Trichoderma* against stem rot disease in G'nut.

Objective	**Management of stem rot in groundnut**
Reason for low yield of groundnut	1. Reduction in plant population/unit area due to disease at initial stage. 2. Pods detached from the plant and remains in the soil. 3. Disease problems. 4. Lack of knowledge for use of recommended control measures.
Technical Intervention	1. Management of stem rot through application of *Trichoderma* in Groundnut.
Treatments	1. Farmers practice ***(Control)*** 2. Mixing *Trichoderma* @ 2.5 kg/ha with castor cake @ 500 kg/ha at the time of sowing. ***(Recommendation)*** 3. Soil drenching of *Trichoderma* @ 50 gm/10 litter of water using spray pump without nozzle. ***(Intervention)***

2. Effect of supplementary irrigation on yield of Sesame.

Objective	**: Increase yield of sesame through supplementary irrigation.**
Reason for low yield of Sesame	1. Sesame is very sensitive to heavy or scare rains resulting instability in its productivity. 2. Rainfed condition. 3. Limited irrigation facilities. 4. Rainfall is generally insufficient and erratic in nature.
Technical Intervention	1. Apply life saving irrigation for maximize sesame yield and net returns.
Treatments	1. Farmers practice ***(Control)*** 2. Two irrigation 50 % flowering & capsule deve. stage.(***Recom.)*** 3. Irrigation at 50 % flowering stage **or** Irrigation at capsule development stage. (Life saving) ***(Intervention)***

3 Management of sucking pests in cotton.

Objective	**1. To minimize the sucking pests in cotton**
Reason for low yield of Cotton	1. Lack of knowledge about the use of particular pesticide. 2. Improper irrigation. 3. Unbalanced fertilization. 4. Farmers spray insecticides as per instructions given by local pesticide retailer. 5. Poor weed management
Technical Intervention	1. Management of sucking pests in cotton
Treatments	1. Farmers practice (Use of new insecticides with higher doses) 2. Use of old insecticides at recommended dose. 3. Alternate treatment one & two with recommended doses. ***New Insecticides :*** 1. Thiomethoxam 2. Imidacloprid 3. Acetamaprid ***Old Insecticides :*** 1. Dimethoate 2. Methyl-o-demetone

4 Feeding of protein and energy rich diet to children to cure protein energy malnutrition in rural area (Age group – 1 to 3 years)

Objective	**1. To cure malnutrition in rural child of age group of 1-3 years**
Reason for protein energy deficiency	1. Lack of knowledge. 2. Poor economic condition. 3. Lack of nutritional management.
Possible solutions	1. Use of milk and different milk product. 2. Use of cereal, pulse and fat mixture. 3. Use of sprouted pulses, cereals and fat mixture.
Treatments	1. Use of milk or milk product for third group of children (Age group – 1 to 3 years) ***(Control)*** 2. Use of recipes prepared from mixture of cereals (30 gm) + pulses (10 gm) + Ghee/oil (5 gm) for first group of children (Age group – 1 to 3 years) ***(Recommended)*** 3. Use of recipes prepared from mixture of cereals (30 gm) + sprouted pulses (10 gm) + Ghee/oil (5 gm) for second group of children (Age group – 1 to 3 years) ***(Intervention)***

5. Reduction of Inter-Calving Period in Buffalo

Objective	**1. To decrease the inter-calving period in Buffalo**
Reason of long inter-calving period	1. Imbalance feeding. 2. Anestrous. 3. Poor management.
Possible solutions	1. Use of mineral mixture. 2. Use of capsule like Bio-Heat, Prajana etc. 3. Use of Hormone.
Treatments	1. Group of Dairy Animals under control ***(Control)*** 2. Second group of Dairy Animals be fed with Mineral Mixture. 3. Group of Dairy Animals be fed with Panacure tablets ***(Reco)*** + Bio- Heat tablets. ***(Intervention)*** 4. Group of Dairy Animals be fed with Mineral Mixture + Panacure tablets + Bio-Heat tablets. ***(Intervention)***

10. Other Extension activities

Sr. No.	Activity	Proposed number
1	Kisan mela	**01**
2	Field day	**15**
3	Kisan gosthi	**15**
4	Radio / TV talk	**05**
5	TV shows	**--**
6	Film shows	**02**
7	Exhibition	**01**
8	News paper coverage	**10**
9	Popular articles	**15**
10	Extension literature 1. Folder/pamphlets	**10**
	2. Slides	**--**
	3. Video film show	**01**
11	Advisory services	As & when required
12	Animal treatment camp	**07**
13	Diagnostic services	
	1. Farmers visit to KVK	**--**
	2. Scientists visit to farmers field	As & when required
14	Kisan Mahila Meeting	**03**
15	Self-help group conveners meet	**01**
16	Celebration of important days (Nutrition day/Women's day)	**02**